

Name _____

Calorimetry Worksheet-1

1. What is the number of calories needed to change the temperature of 50.0 g of water 15.0°C?
2. How many calories are needed to increase the temperature of 150.0 g water from 40.0°C to 65.0°C?
3. What temperature in °C is produced when 800.0 calories is absorbed by 100.0 g water?
4. How many grams of water can be heated from 20.0 °C to 75°C using 12500.0 Joules?
5. How many kilocalories are required to change the temperature of 300.0 grams of 0°C water to 40.0°C?
6. What is the final temperature after 80.0 calories is absorbed by 10.0g of water at 25.0°C?

